

CLAIMS:

1, Control unit for an electric motor, particularly for an electric motor of an actuator, which is equipped with a control board and a capacitive energy storage device which can be charged by the supply network in order to supply power to the electric motor in the event of a power failure, characterized in that the control unit (10) is equipped with a sensor (12) for determining the ambient temperature or to which a corresponding sensor is assigned such that the respectively measured temperature can be converted by means of a converter into control signals, and in that the charge voltage of the capacitive energy storage device C can be controlled as a function of the temperature by means of a voltage converter (13).

2. Control unit according to Claim 1, characterized in that the operational voltage for the capacitive energy storage device can be controlled by means of a charge converter (13) as a function of the temperature to a constant or approximately constant value.

3. Control unit according to Claim 1 or 2, characterized in that the capacitive energy storage device (13) can be continuously acted upon by means of its respective operational voltage.

4. Control unit according to one or more of the preceding Claims 1 to 3, characterized in that the temperature sensor or the temperature probe is integrated in the control board of the control unit (10).

5. Control unit according to one or more of the preceding Claims 1 to 4, characterized in that the capacitive energy storage device (13) can be acted upon by electric energy from the electric motor circuit.